INDEX.

PAGE

Aguilera, José G., elected corresponding member 25
Air, elves of the 123
American species of the genus Anemone 9
Ancient astronomical instruments 106
inscription on a wall at Chatata, Tenn. 26
Anemone, American species of the genus 9
Apgar, Dewitt J., elected resident member 25
Aurora of February 13, 1893 105

Bell, Dr. Clark, elected resident member 25
Bible times, chemical arts in 120
Bibliography of chemistry 131
Bill of Hudsonian Godwit 30
Bruce's American Mineralogical Journal 57

Cairo, street scenes in 73
Calyptrate Muscidæ 131
Canal survey, Van Rensselaer .. 45
Changes on the lunar surface ... 42
Chapman, Frank M., elected resident member 45
Chemical arts in Bible times 120
Chemistry, bibliography of 131
Chester, Prof. Albert H., elected resident member 25
China, railway problem in ... 44, 156
Chloroform, discovery of 149
Clays of the Hudson River valley 33
Clerc, L., elected corresponding member 25
Coleopterological Notices, No. III 2
No. IV 125
Columbian Chemical Society, Memoirs of 57
Comet of 1892, observations on 120
Commercial oil-testing 126

PAGE

Contributions of organic chemistry to modern medicine 107
Cretaceous formation on Staten Island, Palæontology of 96
Crystals of metallic tin 96

Death of Prof. A. W. von Hoffman 155
of Dr. T. Sterry Hunt 72
of Dr. John C. Jay 32
of John I. Northrop 1
of Dr. L. M. Rutherfurd ... 155
Discharges, vacuum 72, 124
Discovery of chloroform 149
Dyes, natural 48

Earlier civilizations, woman's part in 29
Eggs of the plover 24
Elæolite syenite 60
Elves of the air 123
Evolution of the horse 107
Exhibition of Spanish chestnuts 13

Fishes of the Pacific Coast of America 125
Formation of Section of Biology 123
Fossil plants, tertiary 123

Garnets, origin of 32
Geologists in Philadelphia 45
Geology of North Carolina, Mitchell's 45
of Skunnemunk mountain 132
Wm. Maclure's 45
Gibier, Dr. Paul, elected resident member 123
Gold cure, notes on 151
Gottlieb, Dr. J. Adelphi, elected resident member 40

Head of a South American Indian 26
Heylyn, Mrs. Edward, elected resident member 25

PAGE

Hoffman, A. W. von, death of 155
Hollick, Arthur, elected resident member 25
Horse, evolution of the 107
Hudson River valley, clays of... 33
Hudsonian Godwit, bill of..... 30
Hungary, opal mines of..... 32
Hunt, Dr. T. Sterry, death of... 72

Instruments, ancient astronomical 106

Jay, Dr. John C., death of..... 32
resolutions on death of 40

Kemp, Prof. James F., elected resident member 25
Knight, George H., elected resident member 25

Lake Champlain valley, trap dikes in..... 13
Land and people of Paraguay... 24
Lederle, Ernest, elected resident member 25
Lochs and crannogs of Scotland 48
Lunar surface, changes on..... 42

Mann, Charles Riborg, elected resident member 40
Measures of stars about β Cygni 120
Meeting of National Academy of Sciences..... 41
Memoirs of Columbian Chemical Society 57
Memorial of Dr. John I. Northrop..... 9
Metallic tin, crystals of..... 96
Mineralogical Journal, Bruce's American 57
names, origin and history of 49
Minerals, gems, and ethnology of the Ural mountains ... 119
Mitchell's Geology of North Carolina..... 45
Mme. Goguet, will of..... 2
Modern medicine, contributions of organic chemistry to... 107
Morgan, J. Pierpont, elected resident member..... 25
Mountains, their origin and history 45
Muscidæ, calyptrate 131

Nash, Stephen P., elected resident member..... 40
National Academy of Sciences, meeting of..... 41

PAGE

Natural dyes as applied to wool 48, 157
Northrop, John I., death of..... 1
memorial of..... 9
Notes on the gold cure..... 151
Notes, petrographical 126
Notices, coleopterological, No. III..... 2
No. IV 125

Observations on comet of 1892... 120
Observatory of Columbian College, transit factors for... 41
Oil-testing, commercial..... 126
Opal mines of Hungary 32
Origin and history of mineralogical names..... 49
of mountains..... 45
of garnets..... 32
Osborn, Prof. Henry F., elected resident member 40

Pacific coast of America, fishes of the..... 125
Palæontology of cretaceous formation on Staten Island 96
Paraguay, the land and the people..... 24
Paraguayan plants 131
Petrographical notes..... 126
Phalangidæ of the United States 125
Philadelphia, geologists in..... 45
Photographic measures, Rutherfurd..... 41
Plover, eggs of..... 24
Progress of standard time 45

Railway problem in China... 44, 156
Reduction of transit observations by least squares..... 25
Report of Recording Secretary 93
Researches on the solar spectrum..... 125
Resolutions on death of Dr. John C. Jay..... 40
Ries, Heinrich, elected resident member..... 25
Rocking stone at West Farms... 13
Rutherfurd, L. M., death of..... 155
photographic measures... 41

Sapphire, yellow..... 58
Schermerhorn, Wm. C., elected resident member..... 25
Scirpus and Rhyncospora, species of..... 74
Scotland, lochs and crannogs of 48
Section of Biology, formation of 123

	PAGE
Skunnemunk mountain, geology of	132
Smith, Nelson, elected resident member	25
Solar spectrum, researches on	125
South American Indian, head of	26
Spanish chestnuts, exhibition of	13
Species of Scirpus and Rhynchospora	74
Standard time, progress of	45
Stars about δ Cygni, measures of	120
Steinmetz, Charles Proteus, elected resident member	25
Street scenes in Cairo	73
Sucrose, dextrose, and levulose	126
Survey, Van Rensselaer canal	45
Syenite, elaeolite	60
Tertiary fossil plants	123
Transit factors for observatory of Columbia College	41
observations by least squares, reduction of	25
Trap dikes in the Lake Champlain valley	13
United States, Phalangidæ of	125
Ural mountains, minerals, gems, and ethnology of	119
Vacuum discharges	72, 124
Van Rensselaer canal survey	45
Vaughan, Miss Virginia, elected resident member	25
Vivier, Ernest du, elected resident member	25
Vulté, H. T., elected Librarian	25
Wall at Chatata, Tenn., ancient inscription on	26
Weir, Robert, elected resident member	123
West Farms, rocking stone at	13
Will of Mme. Goguet	2
Wm. Maclure's Geology	45
Woman's part in the earlier civilizations	29
Wool, natural dyes as applied to	157
Yellow sapphire	58